Primozone®
REDEFINING OZONE TECHNOLOGY

Hamel WTP, Victoriaville Drinking Water Treatment

Victoriaville's Hamel Water Treatment Plant processes water from the Beaudet Reservoir, which was created in 1976 by damming the Bulstrode River.

The plant serves as Victoriaville's primary source of drinking water and processes approximately 12 million liters of water per day in average. The plant uses ozone in two of their treatment steps: pre-oxidation, to improve flocculation and clarification while reducing the use of chemicals, and intermediate ozonation, for disinfection.

In 2023, the city approved the replacement of the ozone system at the Hamel plant, indicating the central role of ozonation in their treatment process. This resulted in the installation of a Primozone ozone system which capacity, 8.64 kg/h, will allow the Hamel plant to treat almost 42 million liters per day in the future.

The facility has made further investments to ensure their high water quality standards are maintained and for the 14th consecutive year has earned a 5-star rating for the quality of its drinking water.

"Thank you for your hard work and your commitment to designing, delivering, and operating your technology. Your attention to detail is remarkable. We are truly dealing with people of great quality, the Primozone team."
Catherine Longpre, Mabarex

"We truly appreciate working with the entire team. Your dedication and the heart you've put into this project are remarkable. We really felt your support throughout the project. You are an outstanding organization."
Tommy Fortier, City of Victoriaville

Primozone solution

- 4 x GM36 ozone generators
- Chillers, GOX preparation, destruct units
- Ozone distribution panels
- Pre-ozone injection
- Inter ozone injection
- System and process design
- MOCP by Cyr Systéme

Objective

Pre-oxidation: enhance downstream flocculation and clarification, reduce the use of treatment chemicals, improve water taste and odor.
Intermediate ozonation: earn disinfection credits thus reducing the use of chlorine to that needed to establish a residual in the distribution network.

Result

- Mass Transfer Efficiency: >99%
- 20-year operating cost lower than the guaranteed values and $177 k$CAD lower than competition!

Primozone®
REDEFINING OZONE TECHNOLOGY

CYR
AUTOMATISATION INDUSTRIELLE

MABAREX

Primozone began redefining ozone technology in 2000. Since 2003, Primozone Production AB has been wholly owned by Westfal-Larsen Technology of Bergen, Norway.
Today Primozone's patented technology is used in water treatment installations in more than 40 countries worldwide.

Terminalvägen 2, SE-246 42
Löddeköpinge, Sweden
Mail: info@primozone.com
Phone: +46 46 70 45 70